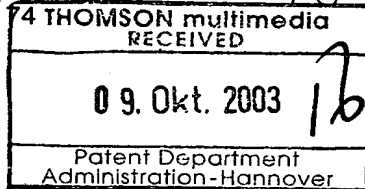


EXPRESS EV 543883219 US

## PATENT COOPERATION TREATY

Rec'd PCT/PTO 28 JUN 2004  
18/500204  
PCTFrom the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

RITTNER, Karsten  
DEUTSCHE THOMSON-BRANDT GmbH  
European Patent Operations  
Karl-Wiechert-Allee  
D-30625 Hannover  
ALLEMAGNENOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing  
(day/month/year)

09.10.2003

Applicant's or agent's file reference

PDO10078 ✓

## IMPORTANT NOTIFICATION

International application No.

PCT/EP02/14266

International filing date (day/month/year)

14.12.2002

Priority date (day/month/year)

28.12.2001

Applicant

THOMSON LICENSING S.A. et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international  
preliminary examining authority:European Patent Office  
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# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

|  |   |   |
|--|---|---|
| Applicant's or agent's file reference<br>PD010078  | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |   |
| International application No.<br>PCT/EP02/4266   | International filing date ( <i>day/month/year</i> )<br>14.12.2002   | Priority date ( <i>day/month/year</i> )<br>28.12.2001 |
| International Patent Classification (IPC) or both national classification and IPC<br>G06F17/30 |   |   |
| Applicant<br>THOMSON LICENSING S.A. et al.   |   |   |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
  
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
 

☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of    sheets.

3. This report contains indications relating to the following items:
 

I    ☒ Basis of the opinion

II   ☐ Priority

III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

IV ☐ Lack of unity of invention

V   ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

VI ☐ Certain documents cited

VII ☐ Certain defects in the international application

VIII ☐ Certain observations on the international application

|   |  |
|---|--|
| Date of submission of the demand<br><br>28.06.2003  | Date of completion of this report<br><br>09.10.2003                                  |
| Name and mailing address of the international preliminary examining authority:<br><br><div style="display: flex; align-items: center;"> <div>                         European Patent Office<br/>                         D-80298 Munich<br/>                         Tel. +49 89 2399 - 0 Tx: 523656 epmu d<br/>                         Fax: +49 89 2399 - 4465                     </div> </div> | Authorized Officer<br><br>vanVoorsttotVoorst,R<br><br>Telephone No. +49 89 2399-2448 |



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. **PCT/EP02/14266**

**I. Basis of the report**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, Pages**

1-10 as originally filed

**Claims, Numbers**

1-5 as originally filed

**Drawings, Sheets**

1/3-3/3 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. **PCT/EP02/14266**

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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

|                               |             |     |
|-------------------------------|-------------|-----|
| Novelty (N)                   | Yes: Claims | 1-5 |
|                               | No: Claims  |     |
| Inventive step (IS)           | Yes: Claims | 1-5 |
|                               | No: Claims  |     |
| Industrial applicability (IA) | Yes: Claims | 1-5 |
|                               | No: Claims  |     |

2. Citations and explanations

**see separate sheet**

- D1: SHOENS K ET AL: 'The Rufus system: information organization for semi-structured data' PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATA BASES, XX, XX, 24 August 1993 (1993-08-24), pages 97-107, XP002151011
- D2: US-A-5 864 870 (GUICK RANDAL LEE) 26 January 1999 (1999-01-26)
- D3: GB-A-2 212 636 (AMOCO CORP) 26 July 1989 (1989-07-26)
- D4: 'Unix 'file' command' UNIX MANUAL, [Online] XP002216604 Retrieved from the Internet: <URL:http://www.rt.com/man/file.1.html> [retrieved on 2002-10-14]

**Re Item V**

**Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

- 1). According to the present application, in devices providing a Data Base Management System DBMS for handling incoming data, including incoming metadata (data about data), it is necessary to classify said incoming data, since different processing is necessary for different kinds of metadata.

The problem to be solved by the present invention is to classify the data automatically, such that a DBMS can utilize the result of the classification for correct data handling.

The application discloses that two types of classification (see Figure 1) are used which are complementing to each other.

According to the first classification, metadata M can be defined as data sets consisting of a first part MD\_LINK being a machine-interpretable link pointing to a reference data set, and of a second part MD\_LOAD being any data referring to said link. Any data item that does not contain at least one MD\_LINK and a related MD\_LOAD is defined as Essence E. A mixture C of said data M and said data E is called Container Data (HTML files or PDF files).

According to the second classification, the data are defined to be Physical Data PD (picture stored in GIF format), if the device has a method for interpretation of the data format and for displaying the data as a picture, otherwise the data are

defined as Abstract Data AD, for example text files which cannot be interpreted through the device.

- 2). Method claim 1 is directed to the automatic detection of data types for data type dependent processing by a technical device, and is based on Figure 5. At first the format is detected (D1) of the data received, and the detected format is used in a first evaluation (D3) to determine whether the received data is M, E or C data. Then, if the data is M or E, in a second evaluation (D4) it is determined whether the technical device is able to interpret the received data for reproducing a physical representation (displayable picture) of said data. The results of the first and second evaluation are supplied to a device or process for data type dependent processing of said input data.
- 3). The cited prior art does not disclose the use of the first and second classification as specified in the present application.